

FIG. 1

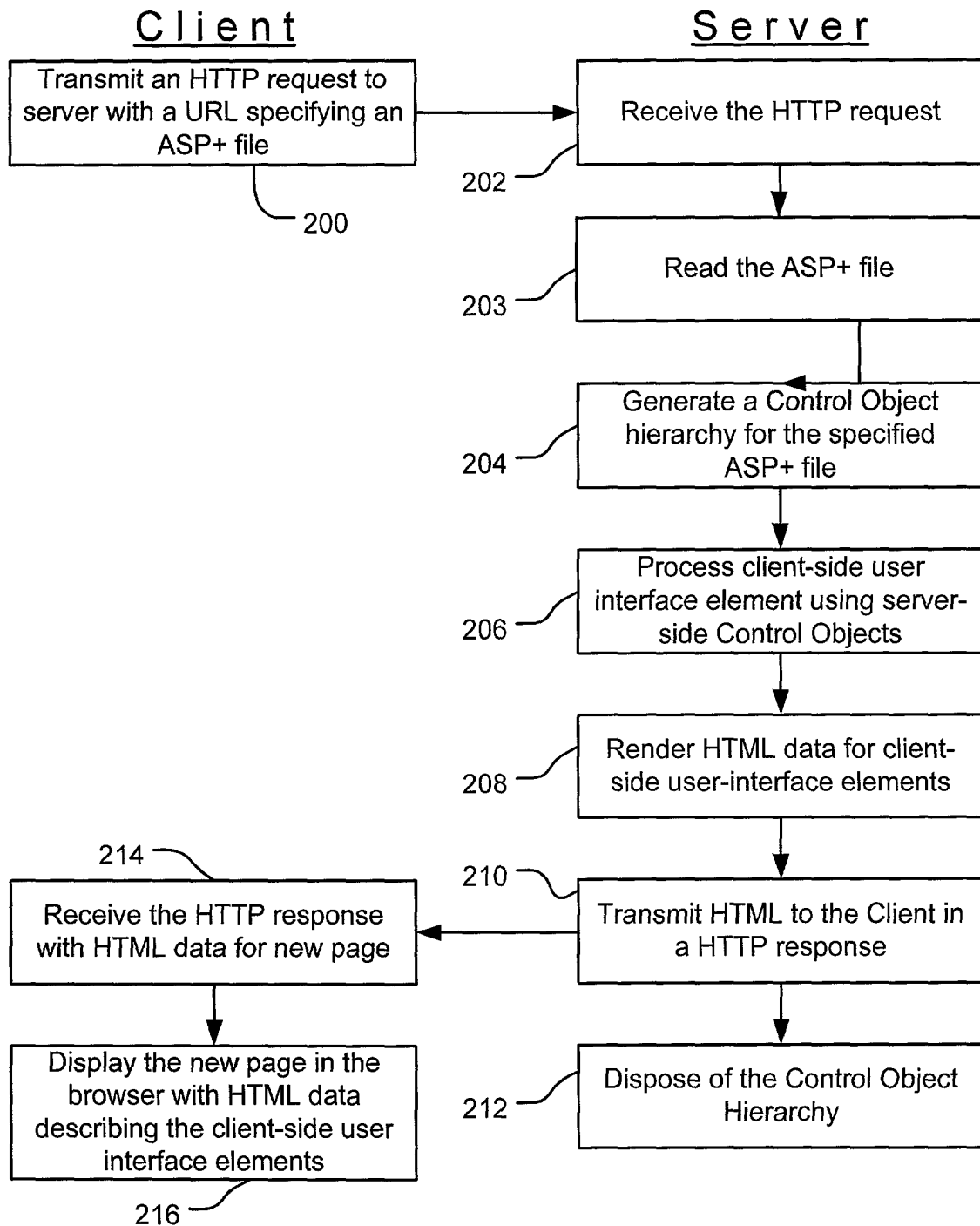


FIG. 2

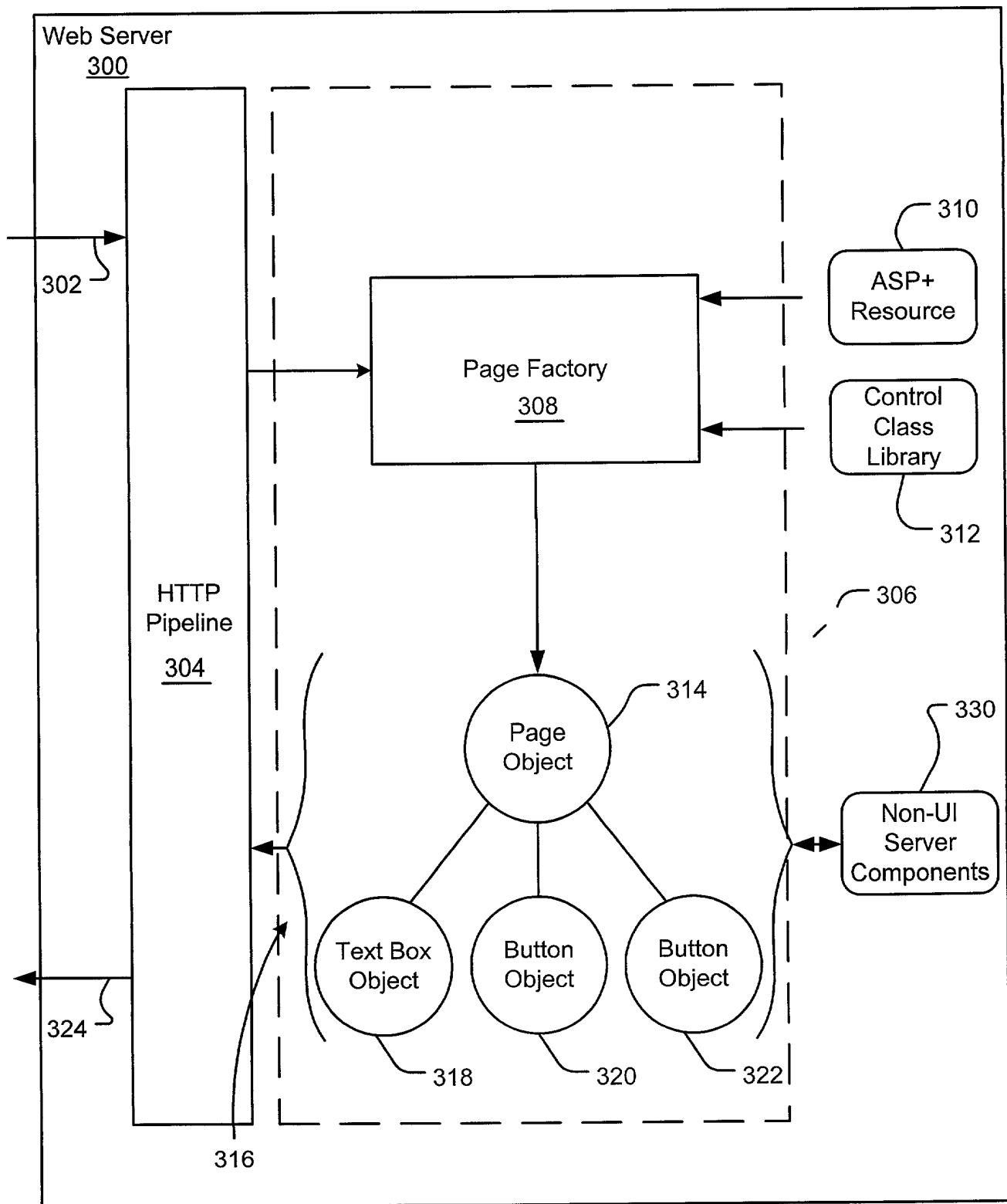


FIG. 3

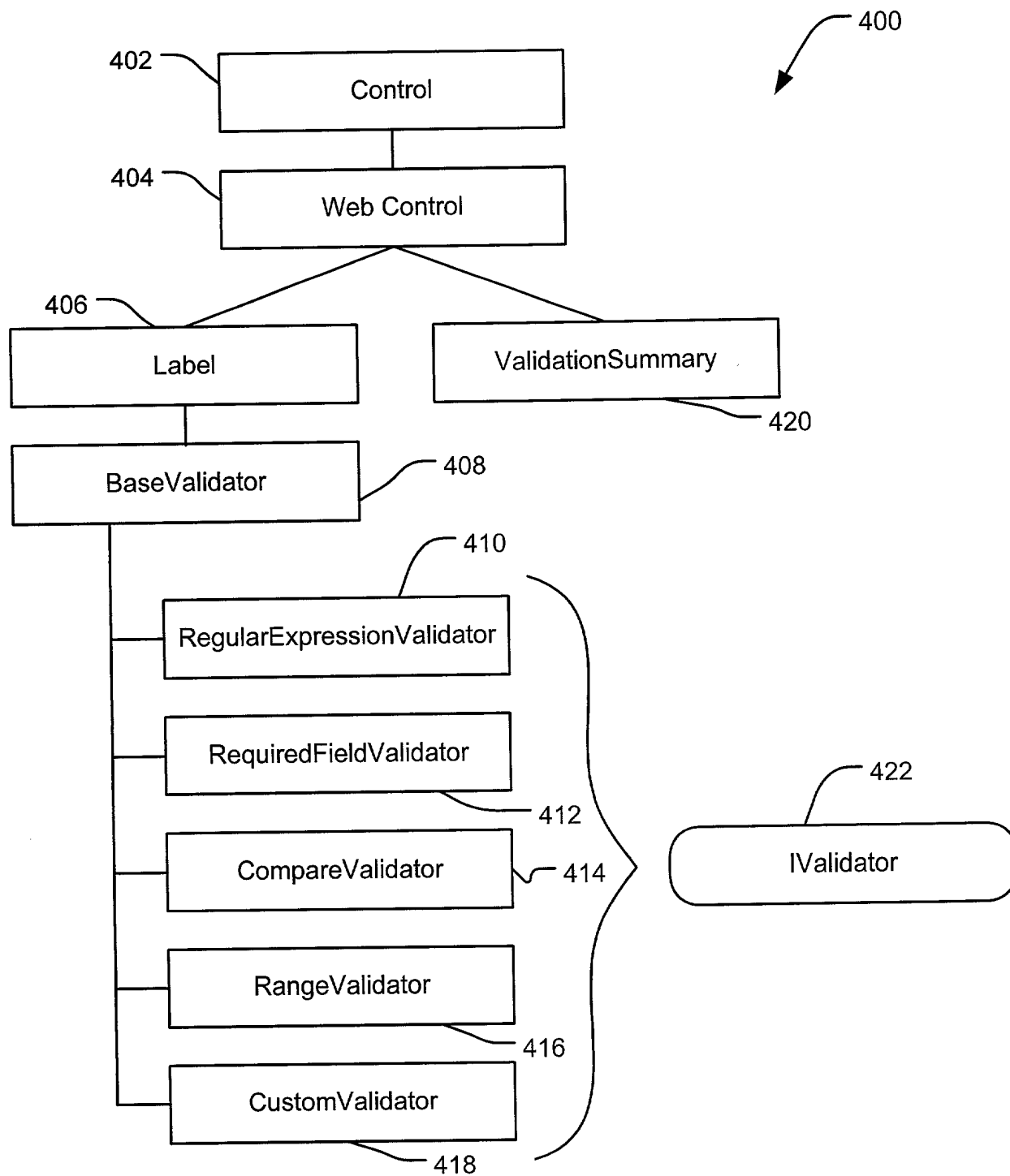


FIG. 4

500 ↘

```
(1) namespace System.Web.UI
(2) {
(3)     public interface IValidator
(4)     {
(5)         // Properties
(6)         public Boolean    IsValid        {get;set;}
(7)         public String    ErrorMessage   {get;set;}
(8)
(9)         // Methods
(10)        public void        Validate();
(11)    }
(12) }
```

FIG. 5

600 ↘

```
(1) namespace System.Web.UI
(2) {
(3)     [AttributeUsage(AttributeTargets.Class)]
(4)     public class ValidationProperty : Attribute
(5)     {
(6)         // Properties
(7)         public String ValidationProperty {get;}
(8)
(9)         // Constructor
(10)        public ValidationProperty(String propertyName);
(11)    }
(12) }
```

FIG. 6

700 ↙

```
(1) namespace System.Web.UI
(2) {
(3)     public class Page : TemplateControl
(4)     {
(5)         // Properties
(6)         public Boolean IsValid {get;}
(7)         public ValidatorCollection Validators {get;}
(8)     }
(9) }
```

FIG. 7


800



```
(1) namespace System.Web.UI
(2) {
(3)     public class BaseValidator : Label, IValidator
(4)     {
(5)         // Properties
(6)         public String          ControlToValidate {get; set;}
(7)         public Boolean          IsValid           {get; set;}
(8)         public String          ErrorMessage      {get; set;}
(9)         public ValidatorDisplay Display          {get; set;}
(10)        public String          Text             {get; set;}
(11)        Public Boolean          EnableClientScript {get; set;}
(12)
(13)        // Methods
(14)        public void             Validate();
(15)    }
(16)
(17)    public enum ValidatorDisplay
(18)    {
(19)        None = 0;    // Validator is always invisible; used when the error
(20)                     // message is only shown in a ValidationSummary
(21)        Static = 1;  // Validator takes up space even when hidden
(22)        Dynamic = 2; // Validator takes up space only when visible
(23)    }
(24) }
```

FIG. 8

800



```
(1) namespace System.Web.UI
(2) {
(3)     public class RegularExpressionValidator : BaseValidator
(4)     {
(5)         // Properties
(6)         public String ValidationExpression {get;set;}
(7)     }
(9) }
```

FIG. 9

1000 ↙

```
(1) namespace System.Web.UI
(2) {
(3)     public class RequiredFieldValidator : BaseValidator
(4)     {
(5)         // Properties
(6)         public String      InitialValue {get;set;}
(7)     }
(9) }
```

FIG. 10

1100 ↘

```
(1) namespace System.Web.UI
(2) {
(3)     public class CompareValidator : BaseValidator
(4)     {
(5)         // Properties
(6)         public ValidationDataType      Type      {get; set;}
(7)         public ValidationCompareOperator Operator {get; set;}
(8)         public String                  ControlToCompare {get; set;}
(9)         public String                  ValueToCompare  {get; set;}
(10)
(11)     }
(12)     public enum ValidationComparisonOperator
(13)     {
(14)         Equal = 0,
(15)         NotEqual = 1,
(16)         GreaterThan = 2,
(17)         GreaterThanEqual = 3,
(18)         LessThan = 4,
(19)         LesserThanEqual = 5,
(20)         DataTyhpeCheck = 6,
(21)     }
(22)     public enum ValidationDataType
(23)     {
(24)         String = 0,
(25)         Integer = 1,
(26)         Double = 2,
(27)         Date = 3,
(28)         Currency = 4,
(29)     }
(30) }
```

FIG. 11

1200 ↙

```
(1) namespace System.Web.UI
(2) {
(3)     public class RangeValidator : BaseValidator
(4)     {
(5)         // Properties
(6)         public ValidationDataType Type {get;set;}
(7)         public String MinimumControl {get;set;}
(8)         public String MinimumValue {get;set;}
(9)         public String MaximumControl {get;set;}
(10)        public String MaximumValue {get;set;}
(11)     }
(12) }
```

FIG. 12

1300 ↙

```
(1) namespace System.Web.UI
(2) {
(3)     public class CustomValidator : BaseValidator
(4)     {
(5)         // Properties
(6)         public String      ClientValidationFunction {get;set;}
(7)         public Event void   OnServerValidationFunction(Object Source,
                                ServerValidateEventArgs Value)      {get; set;}
(8)     }
(9)
(10)    public class ServerValidateEventArgs: EventArgs
(11)    {
(12)        public ServerValidateEventArgs(string value, Boolean isValid);
(13)        public String Value {get;}
(14)        public Boolean IsValid {get;set;}
(15)    }
(16) }
```

FIG. 13

1400 ↙

```
(1) namespace System.Web.UI
(2) {
(3)     public class ValidationSummary : WebControl
(4)     {
(5)         // Properties
(6)         public String HeaderText {get; set;}
(7)         public ValidationSummaryDisplayMode DisplayMode {get; set;}
(8)         public Boolean ShowSummary {get; set;}
(9)         public Boolean ShowMessageBox {get; set;}
(10)    }
(11)    public enum ValidationSummaryDisplayMode
(12)    {
(13)        List = 0;
(14)        BulletList = 1;
(15)        SingleParagraph = 2;
(16)    }
(17) }
```

FIG. 14

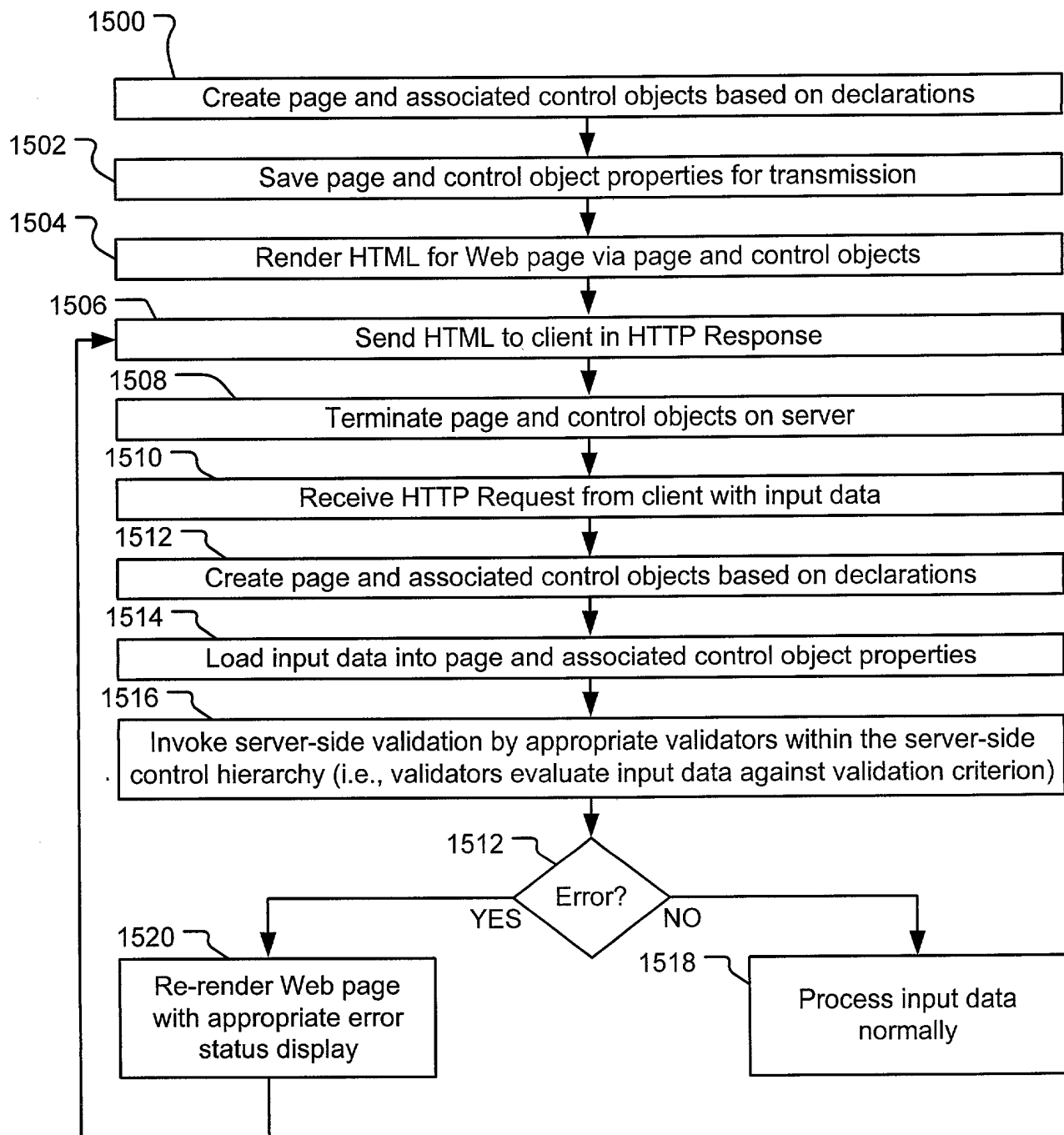


FIG. 15

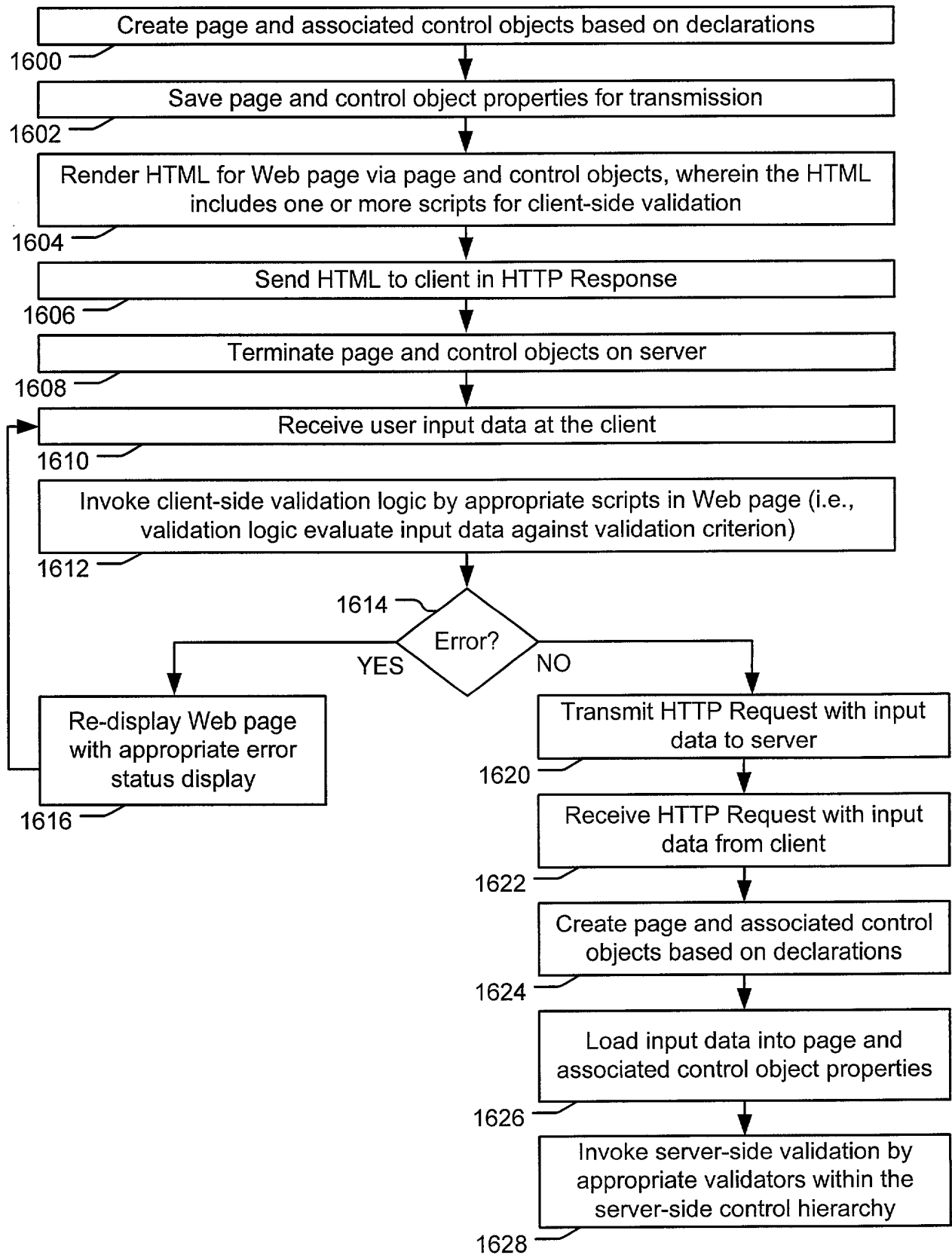


FIG. 16

FIG. 17

